1 teetetetetegag atg gag tit tog ott tig tig occ agg otg gag tog aat ggc gca atg E F S L L P R L E C N G 63 TCA GCT CAC CGC AAC CTC CGC CTC CCG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA 122
17 S A H R N L R L P G S S D S P A S A S P 36 36 123 GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTA GTA 182 G I T G M C T H A R L I F F 183 GAG ATG GAG TIT CTC CAT GIT GGT CAG GCT GGT CTC GAA CTC CCG ACC TCA GAT GAT CCC 242 S7 E M E F L H V G Q A G L E L P T S D D · P 243 TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG 302 ASQSARYRTGHHAR L 303 GCT AAT TIT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC 362 F C G R N R V S L M C P S W S 116 363 AAG CAG TCC ACC TGC CTC AGC CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT 422 TCLSLPKCHDYRA A 482 ILFFLRHR C L 483 THE STEE STEEL THE SEE STEEL 542 0 P S T P 1 K H P 543 PEAN COCK-TRES SOON SOUN SECTE SECTION OF THE SALE SALE SALE SALE AND SALES SECTION FROM THE SALES M H ĸ D H Y 603 THE AND STREET THE STREET CHESTED AND ADDRESS OF CONTROL CONTROL CARRIED 662 197 F V L W 216 663 GGGLANNI TO THE COOK OF THE COUNTY OF THE COUNTY SOURCE COOK OF THE COUNTY OF THE STREET TO CONTROL OF THE COUNTY OF THE COU 722 217 R G 0 G. A 236 723 Grand Montage and Character State Second Control of Contains and Contains and Contains Contains and Control of Contains and Contain 782 RR 256 F MFARLILI 276 843 COTT COC TOC CAA AGT GOT GGG ATT ACA GGC GTG AGC CAC CAC GCC CGG CTT ATT 902 А S Q S A G ITGVS я н н R 296 903 TTT AAT TIT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG C L FEMESHSVTQAG 316 963 CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT CCC GGG CTC AAG CGA TTC TCC TGT CTC AGC 1022 317 P N S L Q P L P P G L K R F S C L S 336 1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CAC CCC GCT AAT TIT TGT ATT TTC 1082 P S S W D Y G H L P P H P A N F C I F 1083 ATT AGA GGC GGG GTT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG tgac 1143 357 I G LSGWSQTPDL R 1144 ccacctgcctcagccttccaaagtgctgggattacaggcgtgagccacctcacccagccggctaatttagataaaaaat 1223 1224 atgtagcaatggggggtettgetatgttgeccaggetggteteaaaettetggetteatgeaateetteeaaatgageea 1303 1304 caacacccagccagtcacattttttaaacagttacatctttattttagtatactagaaagtaatacaataaacatgtcaa 1383 1384 acctgcaaattcagtagtaacagagttcttttataacttttaaacaaagctttagagca

Sheet I of 16

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte et al.; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.

62	122 36	182 56	242 76	302 96	362	422 136	482 156
ATC I	P CCA	GTA V	000 -	CTG L	CTC	CC1	676
AAT GGC GCA A	JCC S	TTA L	GAT D	39 <u>1</u>	GAG E	6T6 V	AGG TGT <i>CĆC ÁCT ĆTT ÁCC CÁC CÁT CÁA GTG</i> R C P T L T Q D E V
099 099	OCC A		GAT D	\circ		GCC	CAT
AAT N	TCA S	⊨ ୴∥	TCA S	000 R	101	GCA A	0 0
202	900 A	TAT Y	ACC T	OCC A	991 ×	CGT R	ACC
CAC	CT CCT GCC TCA GO	91	TT GGT CAG GCT GGT CTC GAA CTC CGG ACC TCA GA G Q A G L E L P T S D	CAT GCC CGG	AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT R V S L M C P S W S	CTC CCA AAG TGC TGG GAT TAC AGG CGT GCA L P K C W D Y R R A	
AGG CTG (\sim	ATT	010 L	CAC	\$35°	TAC	ACT
AGG R	GAT D	CTA	GAA E	ACT GGC (191 1	GAT D	
200	AGC S	7 R	0T0 L	ACT T	ATG	16G W	16T C
GAG TTT TCG CTC TTG TTG CCC E F S L L L P	TCA S	GCT A	06T G	AGA TAC AGG A	CTG	16C C	AGG R
7	00 1	CAC	GCT A	TAC Y	TCA S	AAG K	CAC H
CTC	000 000 J	ACC T	CAG	AGA R	GTT /	CCA	TTA AGA L R
5	7 010	25 2	06T	GCT	AGG R	CTC L	TTÅ L
E	000 R	⋖⋝	S >	A S	AAC	AGC	
GAG	7	9 9	CAT H	CAA	AGA R	CTC L	Eu
ATG M	AAC N	ACĂ T	C.T.C L	700 S	00T	0 0 0	TTA L
gag	000 P	ATT I	<u> </u>	GCC	16T C	ACC T	AIT
ittt	CAC	999	GAG	GTC TCG (11 F	200 S	
1111	6CT	GCT A	ATG M	GTC V	AAT	CAG	CTT
tttttttttttgag A	TCA GCT	GTA GCT GGG A V A G I	GAG ATG E M	S S	GCT AAT A N	AAG CAG K 0)
	63	123 37	183 57	243	303	363	423 137

FIG. 1A

Sheet 2 of 16

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Title: Transgenic Animals and Cell Lines for Screening Drugs
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542 176	602 196	662 216	722 236	782 256	842 276	902 296	962 316
483 CÁC TÓC TÓT CÁT CÁC TCÁ CTÓ CÁC CÓT TCÁ ÁCT CÓT CÁC ÁTC ÁAG CÁT CÓT CÓT CÓT CÓT CÓT SA 157 Q W C D H S S L Q P S T P E I K H P P A 176	4 GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT 602 V A G T K D M H H Y T W L I F I 196	ATT TIT AAT TIT TIG AGA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG 662	S TCA CTG CAA CCT CTG CCT CCC GGG TTG AAG TTA TTC TCC TGC CCC AGC	CÍC CÍC ÁGÍ ÁGC TGC GÁC TÁC ÁGC CÓC CCÁ CCÁ CÓC CÍÁ GCÍ ÁÁT TÍT TÍT GÍÁ TÍT TÍA 182 L L S S W D Y R R P P R L A N F F V F L 256	COTA CAC ATC COCC TIC ACC ATC TIC ATC TIC ATC TCT COCA CCT TICT CAT CTC ACC TOT S ATC ACC ACC TICT CAT CTC ACC ACC ACC ACC ACC ACC ACC A	TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC GCC CGG CTT ATT S Q S A G I T G V S H H A R L I	1GG ₹
733 P		CAG	223		D GAT	CTT L	E CA
733 d	AIT	219	291	67A V	<i>191</i>	200 P	010
Z I	L CIA	66A	202			000 A	90 SGA
₹ Z	201 ≥	V V V	110		S S	CAC H	A 6CT
CÁC ÁGC TCÁ CÍG CÁG CCT TCÁ ÁCT CCT CÁG ÁTC ÁAG CÁT CCT CCT H S S L Q P S T P E I K H P P	4 GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT AT V A G T K D M H H Y T W L I F I	CAG	17	A N	<i>S</i>	CAC H	TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG
CAG F	7 IAC	ACC	¥ ×	V 700	A10	AGC	ACC —
7001 P	- CAC	219	717	CIA	116	6T6 V	CTT V
1 AC1	100 I	<i>S</i>	999	- COC	1 A10	၁၉၁	S
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	040	, CTC	20 4	8 -	A66	ATT I	10T S
0	¥ ×	AG1 S	7000	200	700 V	9 999	GAA E
1 <i>CTG</i>	700 I	0	20	A66	717 F	GCT A	ATG M
S S	999 9	R AGA	0	7	A76 M	AGT S	GAA E
S AGC	V V	116	1	D CAC	1 ACC	CAA	<u> </u>
Z =	7/9	F F	S	297	717		7T6 L
CA)	20	A N	333	S	999	SCC A	191
<i>191</i>	CA GCC TCC CA	111 F	CCC AAT CTT CCC	SAGI	M ATG	<i>cct ccc-t</i> cc ccc	<u></u>
70C	V V	A77	A N	7	CAG F	000 A	AAT N
CAC	S S		<i>22</i> ~	<i>CTC</i>	614 V	<i>CCT</i> P	TTT AAT TTT F N F
483	543	603	663 217	723 237	783 257	843	903

FIG. 1B

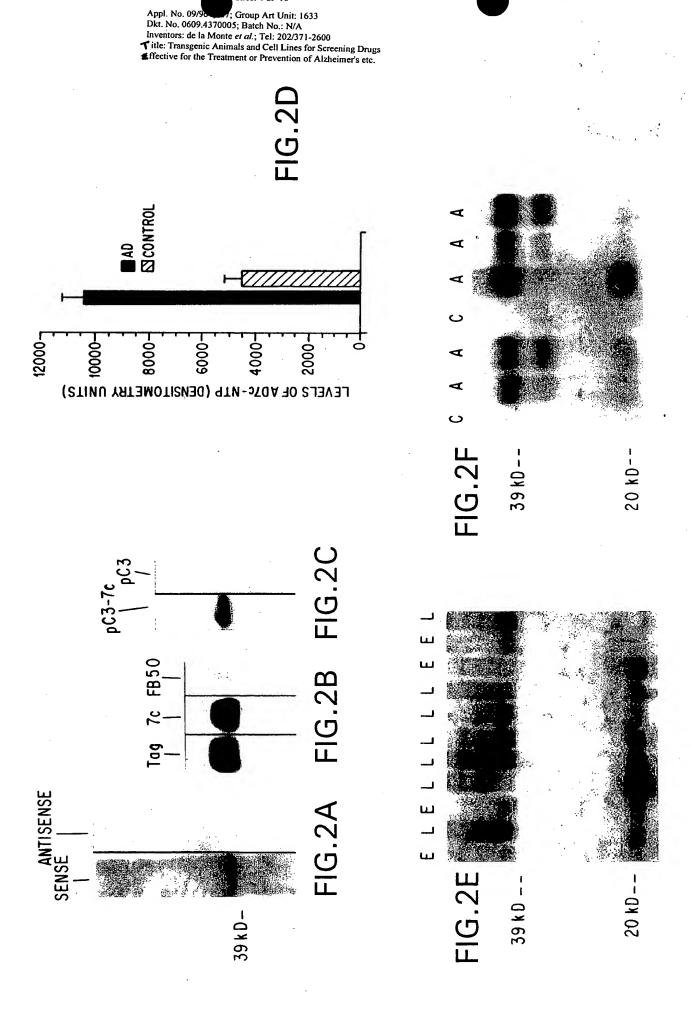
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Sheet 3 of 16

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Inventors: de la Monte et al.; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

1022	317 PNLGSLQPLPPGLKRFSCLS 336	1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CCA CAC CCC GCT AAT TTT TGT ATT TTC 1082 337 L P S S W D Y G H L P P H P A N F C I F 356	GGG GTT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG tgac 114 G V S P Y L S G W S Q T P D L R 375	1144 ccaccigectcagecticcaaagigciggatiacaggegigagecaectcaeccageeggeiaatiiagaiaaaaaat 122	1224 atgiageaatgggggtetigetatgitgeceaggeiggleieaaaciieiggetieatgeaaicetieeaaatgageea 130	caacacccagccagtcacatttttaaacagitacatctitattttagtatactagaaagtaatacaataaacatgtcaa 138	144
99	S	- TTC	tgo	מממכ	odec	gtcc	
5	_	ATT I	AGG R	taaa	aatg	acat	
101	ی	161 C	CTC L	taga	tcca	ataa	
2	S	111 F	GAC D	aatt	cct	ומכמי	
110		AAT N	D -	gct	Jcaal	gtaal	
CGA	2	GCT .A	ACT T	၁၁၁၆၀	tcato	30.00	agca
AAG	X	д))))	CAA)	get	oct a	t tag
CTC	1	CAC H	TCT S	ctc	ltct	gtat	agct
999	9	CCA P	№	Jcca	ממכן	tta	0000
\mathfrak{Z}	ط.	CCA P	ر 990	gtga	lctc	tat	t taa
C1	Ь	CTG L	TCA S	oggc	ctgg	otet	actt
010		E CA	776 L	tac) ggg(i tac	lata
53	a	999 9	TAT	199a t))))	اومعر	itti
CAA	o	TAC TAC	CCA P	gcto	ıtgti	.taac	gtto
CTG		GAT D	TCA S	aaat	gctc	ttt	Joago
TCA	S	991	GTT V	tece	tctt	acat	igtac
99	ပ	S AGC	9 999	igcet	56661	agto	agto
213		AGC)))	ctcc	atgo	oobo	otto
AAT	z	P CCA	ATT AGA GGI I R G	ctgc	oobo	0000	gcaa
SCA	م	CTC	ATT	ວກວວ	atgt		acct
963	317	1023	1083 ATT AGA GGC 357 I R G	1144	1224	1304	1384 acctgcaaattcagtagtaacagagttcttttataacttttaaacaaagctttagagca

FIG. 1(



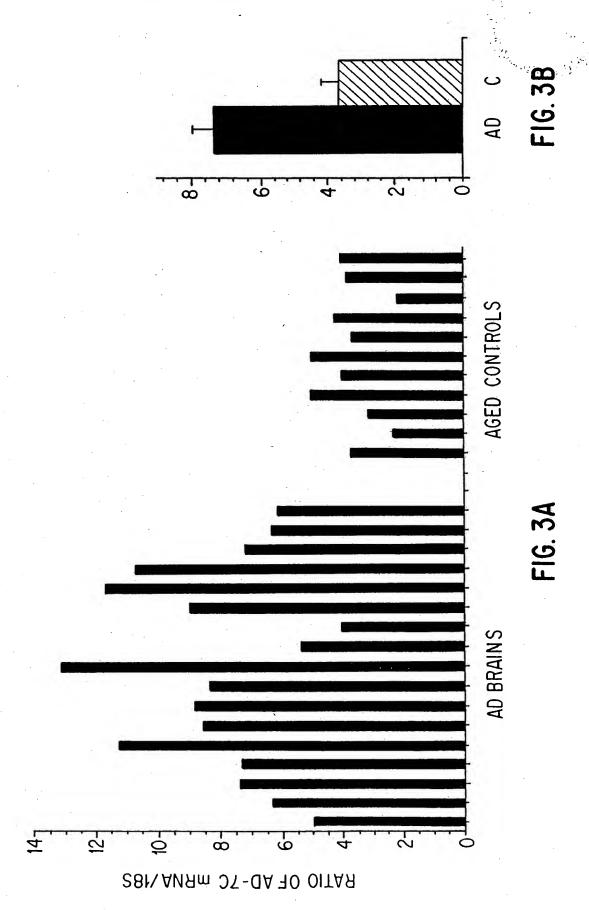
Sheet 4 of 16

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Appl. No. 09/964,667; Group Art Unit: 1633 Dkt. No. 0609.4370005; Batch No.: N/A Inventors: de la Monte et al.; Tel: 202/371-2600 Title: Transgenic Animals and Cell Lines for Screening Drugs Effective for the Treatment or Prevention of Alzheimer's etc.



Sheet 6 of 16

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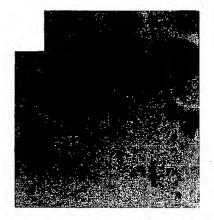


FIG.3C



FIG.3D



FIG.3E

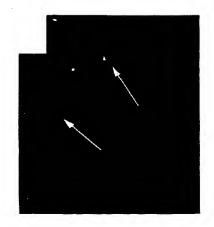
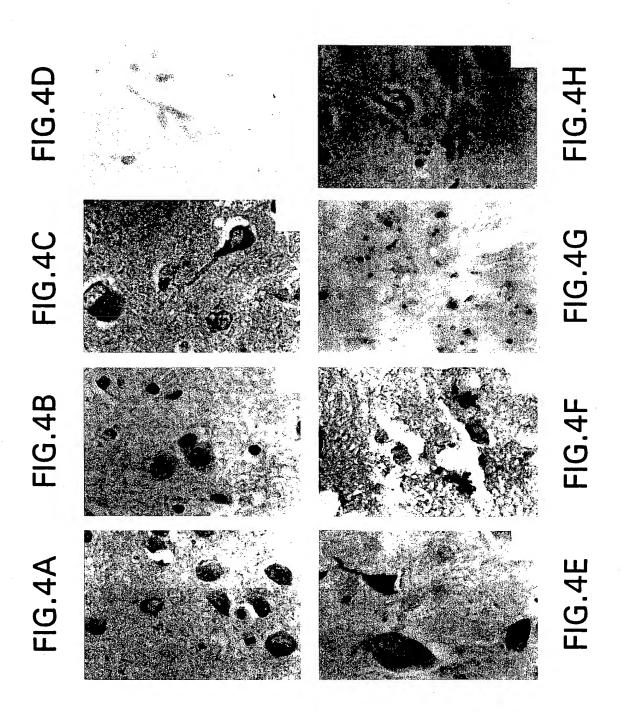


FIG.3F

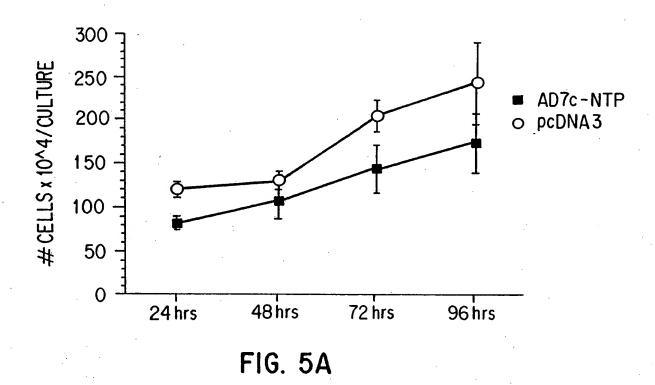
Sheet 7 of 16

Appl. No. 09/964,667; Group Art Unit: 1633
Dkt. No. 0609.4370005; Batch No.: N/A
Inventors: de la Monte et al.; Tel: 202/371-2600
Ttle: Transgenic Animals and Cell Lines for Screening Drugs
Affective for the Treatment or Prevention of Alzheimer's etc.



Sheet 8 of 16

Appl. No. 09/964,667; Group Art Unit: 1633
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Inventors: de la Monte et al.; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of Alzheimer's etc.



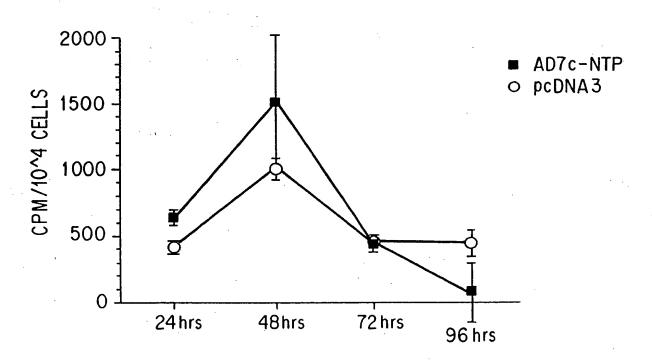


FIG. 5B

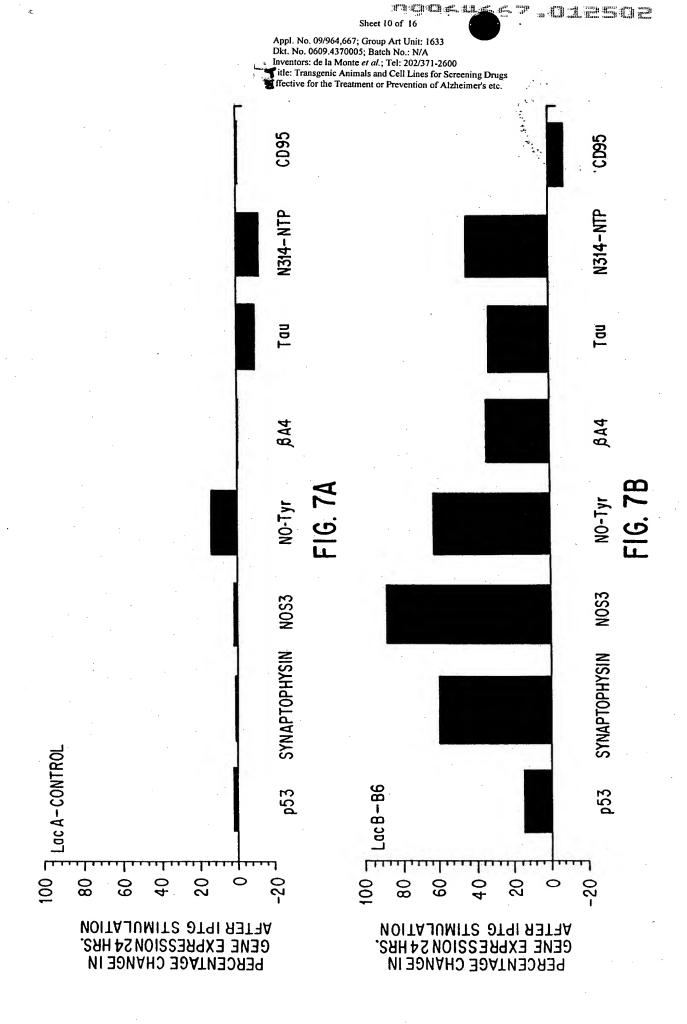
Sheet 9 of 16

Appl. No. 09/964,667; Group Art Unit: 1633
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Inventors: de la Monte et al.; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
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FIG.6E FIG.6D

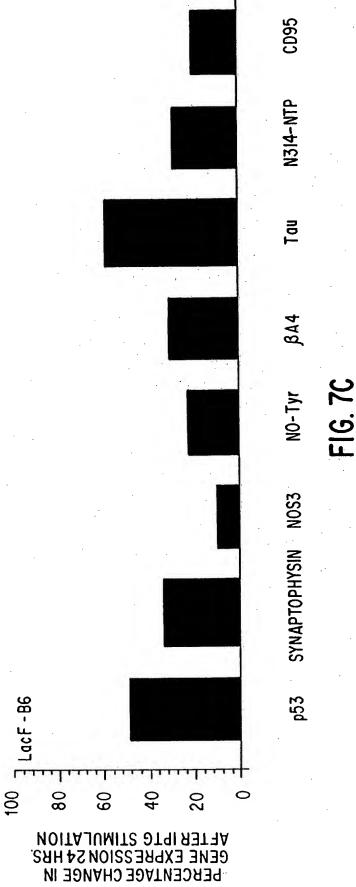
FIG.6B

FIG.6A

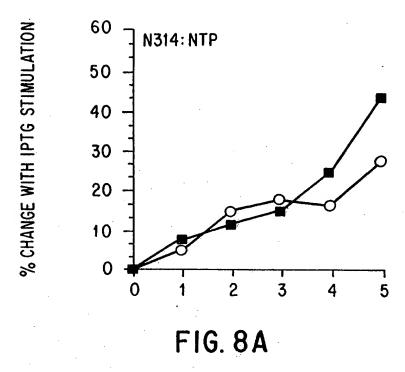


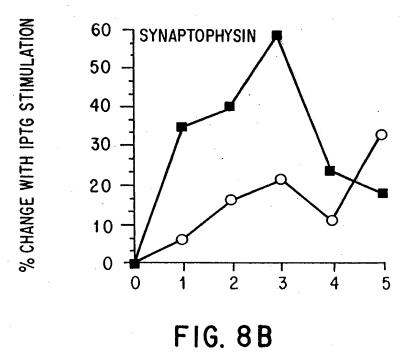
Sheet 11 of 16

Appl. No. 0 609,4370005; Batch No.: N/A
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Title: Transgenic Animals and Cell Lines for Screening Drugs
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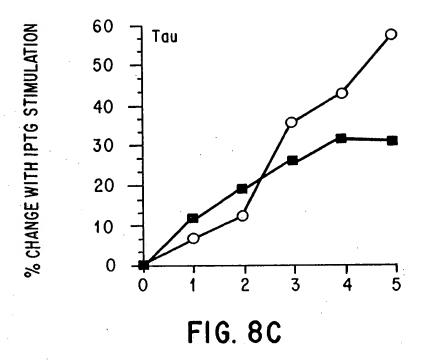


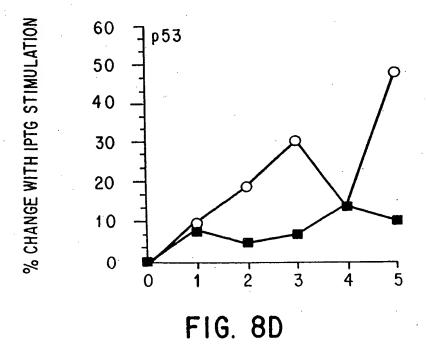
Appl. No. 09/964,667; Group Art Unit: 1633 Dkt. No. 0609.4370005; Batch No.: N/A Inventors: de la Monte et al.; Tel: 202/371-2600 Title: Transgenic Animals and Cell Lines for Screening Drug Effective for the Treatment or Prevention of Alzheimer's etc.

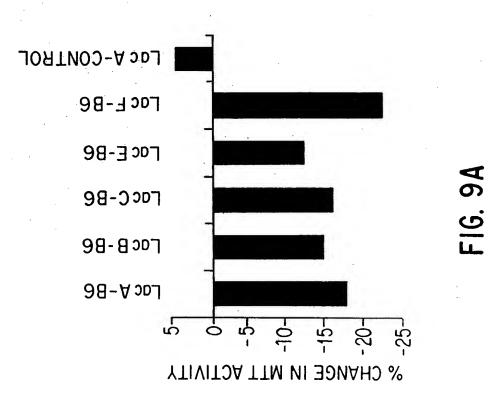


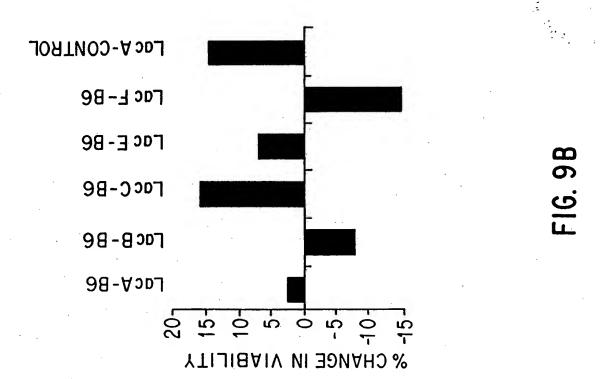


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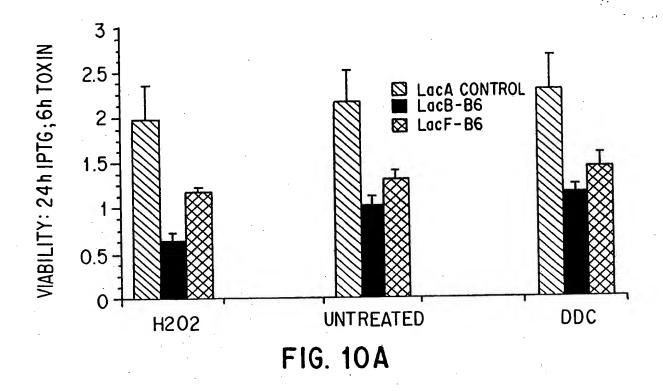
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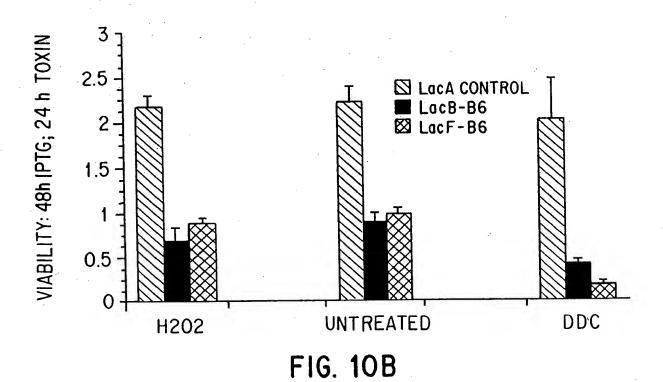
Sheet 14 of 16

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Sheet 15 of 16

Appl. No. 09/964,667; Group Art Unit: 1633
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Sheet 16 of 16

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✓ itle: Transgenic Animals and Cell Lines for Screening Drugs

✓ ffective for the Treatment or Prevention of Alzheimer's etc.

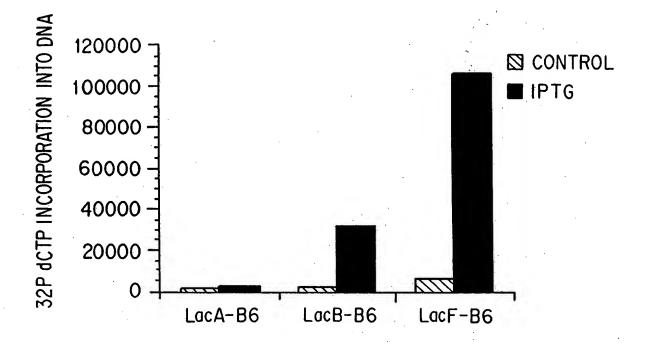


FIG. 11

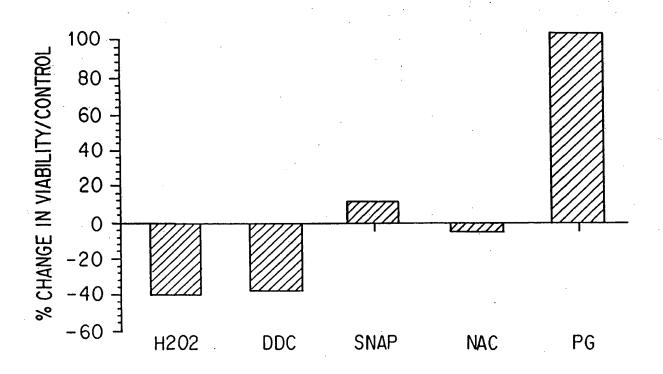


FIG. 12